



Ocean Exploration Data Management

National Coastal Data Development Center
www.ncddc.noaa.gov

NOAA's Office of Ocean Exploration is working in coordination with NOAA Environmental Satellite, Data and Information Service (NESDIS) and other partners to develop a unique, end-to-end data management system. Once fully operational, the Cruise Information Management System (CIMS) will monitor research proposals, streamline at-sea data collection, reduce the overall data management burden and ensure data accessibility in near real time and in perpetuity. NOAA project partners include:

- Office of Ocean Exploration
- National Coastal Data Development Center
- National Undersea Research Program
- National Oceanographic Data Center
- National Geophysical Data Center
- NOAA Central Library

The CIMS automates the creation of FGDC metadata from expedition information, thus ensuring interoperability through compliance with national standards. Once documented, data may also be geospatially enabled. Multi-point data discovery is possible, through the user's choice of a standard metadata catalogue search, through the NCL Video Data Management System and through the OE Digital Atlas.



The Digital Atlas is an on-line GIS mapping application that allows users to visualize and evaluate OE expedition data. Internet users can query geospatially, by date and/or by exploration theme to reveal data, imagery and information about the research performed on OE sponsored expeditions. Data layers from outside sources are being integrated with the interactive map as a value-added component.

For more information:

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- Please visit our web site: <http://www.ncddc.noaa.gov/ocean-exploration/Home>